

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/593,383
Source: 1FwP
Date Processed by STIC: 9/27/06

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,383

DATE: 09/27/2006

TIME: 10:24:14

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09272006\J593383.raw

```

3 <110> APPLICANT: BioVentures, Inc.
4   Dawson, Elliot P.
5   Womble, Kristie E.
7 <120> TITLE OF INVENTION: Method and Substances for Isolating miRNAs
9 <130> FILE REFERENCE: 16304-1US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/593,383
C--> 11 <141> CURRENT FILING DATE: 2006-09-19
  11 <150> PRIOR APPLICATION NUMBER: 60/709,861
  12 <151> PRIOR FILING DATE: 2005-08-19
  14 <150> PRIOR APPLICATION NUMBER: PCT/US06/32264
  15 <151> PRIOR FILING DATE: 2006-08-18
  17 <160> NUMBER OF SEQ ID NOS: 41
  19 <170> SOFTWARE: PatentIn version 3.2
  21 <210> SEQ ID NO: 1
  22 <211> LENGTH: 18
  23 <212> TYPE: DNA
  24 <213> ORGANISM: Artificial Sequence
  26 <220> FEATURE:
  27 <223> OTHER INFORMATION: synthetic adapter segment
  29 <400> SEQUENCE: 1
  30 atttaggtga cactatag                               18
  33 <210> SEQ ID NO: 2
  34 <211> LENGTH: 20
  35 <212> TYPE: DNA
  36 <213> ORGANISM: Artificial Sequence
  38 <220> FEATURE:
  39 <223> OTHER INFORMATION: synthetic adapter segment
  41 <400> SEQUENCE: 2
  42 ccctatagtg agtcgttta                           20
  45 <210> SEQ ID NO: 3
  46 <211> LENGTH: 22
  47 <212> TYPE: DNA
  48 <213> ORGANISM: Artificial Sequence
  50 <220> FEATURE:
  51 <223> OTHER INFORMATION: synthetic miRNA binding segment
  53 <400> SEQUENCE: 3
  54 aactatacaa cctactacca ca                         22
  57 <210> SEQ ID NO: 4
  58 <211> LENGTH: 22
  59 <212> TYPE: DNA
  60 <213> ORGANISM: Artificial Sequence
  62 <220> FEATURE:
  63 <223> OTHER INFORMATION: synthetic miRNA binding segment

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,383

DATE: 09/27/2006

TIME: 10:24:14

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09272006\J593383.raw

65 <400> SEQUENCE: 4 22
66 aaccacacaa cctactaccc ca
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 22
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: synthetic miRNA binding segment
77 <400> SEQUENCE: 5
78 aaccataccaa cctactaccc ca 22
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 21
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: synthetic miRNA binding segment
89 <400> SEQUENCE: 6
90 actatgcaac ctactaccc t 21
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 21
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: synthetic miRNA binding segment
101 <400> SEQUENCE: 7 21
102 actatacacaac ctcctaccc a
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 22
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: synthetic miRNA binding segment
113 <400> SEQUENCE: 8
114 aactataccaa tctactaccc ca 22
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 21
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: synthetic miRNA binding segment
125 <400> SEQUENCE: 9
126 actgtacaaa ctactaccc a 21
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 21
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: synthetic miRNA binding segment
137 <400> SEQUENCE: 10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,383

DATE: 09/27/2006

TIME: 10:24:14

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF4\09272006\J593383.raw

```

138 acagcacaaa ctactacctc a 21
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 22
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: synthetic miRNA binding segment
149 <400> SEQUENCE: 11
150 cacaagttcg gatctacggg tt 22
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 22
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: synthetic miRNA binding segment
161 <400> SEQUENCE: 12
162 cttcagttat cacagtaactg ta 22
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 61
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: synthetic capture probe
173 <400> SEQUENCE: 13
174 atttaggtga cactatagaa actataacaac ctactacctc accctatagt gagtcgtatt 60
176 a 61
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 56
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: synthetic capture probe
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (19)..(36) /
191 <223> OTHER INFORMATION: n is a, c, g, or t
193 <400> SEQUENCE: 14
W--> 194 atttaggtga cactatagnn nnnnnnnnnn nnnnnncct atagtgagtc gtatta 56
197 <210> SEQ ID NO: 15
198 <211> LENGTH: 57
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: synthetic capture probe
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (19)..(37) /
209 <223> OTHER INFORMATION: n is a, c, g, or t
211 <400> SEQUENCE: 15

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,383

DATE: 09/27/2006

TIME: 10:24:14

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF4\09272006\J593383.raw

W--> 212 attaggtga cactatagnn nnnnnnnnnn nnnnnnnccc tatagtgagt cgtatta 57
 215 <210> SEQ ID NO: 16
 216 <211> LENGTH: 58
 217 <212> TYPE: DNA
 218 <213> ORGANISM: Artificial Sequence
 220 <220> FEATURE:
 221 <223> OTHER INFORMATION: synthetic capture probe
 224 <220> FEATURE:
 225 <221> NAME/KEY: misc_feature
 226 <222> LOCATION: (19)..(38)
 227 <223> OTHER INFORMATION: n is a, c, g, or t
 229 <400> SEQUENCE: 16
 W--> 230 attaggtga cactatagnn nnnnnnnnnn nnnnnnnncc ctatagtgag tcgtatta 58
 233 <210> SEQ ID NO: 17
 234 <211> LENGTH: 59
 235 <212> TYPE: DNA
 236 <213> ORGANISM: Artificial Sequence
 238 <220> FEATURE:
 239 <223> OTHER INFORMATION: synthetic capture probe
 242 <220> FEATURE:
 243 <221> NAME/KEY: misc_feature
 244 <222> LOCATION: (19)..(39)
 245 <223> OTHER INFORMATION: n is a, c, g, or t
 247 <400> SEQUENCE: 17
 W--> 248 attaggtga cactatagnn nnnnnnnnnn nnnnnnnnnc cctatagtga gtcgtatta 59
 251 <210> SEQ ID NO: 18
 252 <211> LENGTH: 60
 253 <212> TYPE: DNA
 254 <213> ORGANISM: Artificial Sequence
 256 <220> FEATURE:
 257 <223> OTHER INFORMATION: synthetic capture probe
 260 <220> FEATURE:
 261 <221> NAME/KEY: misc_feature
 262 <222> LOCATION: (19)..(40)
 263 <223> OTHER INFORMATION: n is a, c, g, or t
 265 <400> SEQUENCE: 18
 W--> 266 attaggtga cactatagnn nnnnnnnnnn nnnnnnnnnn ccctatagtg agtcgtatta 60
 269 <210> SEQ ID NO: 19
 270 <211> LENGTH: 61
 271 <212> TYPE: DNA
 272 <213> ORGANISM: Artificial Sequence
 274 <220> FEATURE:
 275 <223> OTHER INFORMATION: synthetic capture probe
 278 <220> FEATURE:
 279 <221> NAME/KEY: misc_feature
 280 <222> LOCATION: (19)..(41)
 281 <223> OTHER INFORMATION: n is a, c, g, or t
 283 <400> SEQUENCE: 19
 W--> 284 attaggtga cactatagnn nnnnnnnnnn nnnnnnnnnn nccctatagt gagtcgtatt 60

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,383

DATE: 09/27/2006

TIME: 10:24:14

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF4\09272006\J593383.raw

286 a 61
 289 <210> SEQ ID NO: 20
 290 <211> LENGTH: 62
 291 <212> TYPE: DNA
 292 <213> ORGANISM: Artificial Sequence
 294 <220> FEATURE:
 295 <223> OTHER INFORMATION: synthetic capture probe
 298 <220> FEATURE:
 299 <221> NAME/KEY: misc_feature
 300 <222> LOCATION: (19)..(42) /
 301 <223> OTHER INFORMATION: n is a, c, g, or t
 303 <400> SEQUENCE: 20
 W--> 304 atttaggtga cactatagnn nnnnnnnnnn nnnnnnnnnn nnccctatacg tgagtcgtat 60
 306 ta 62
 309 <210> SEQ ID NO: 21
 310 <211> LENGTH: 60
 311 <212> TYPE: DNA
 312 <213> ORGANISM: Artificial Sequence
 314 <220> FEATURE:
 315 <223> OTHER INFORMATION: synthetic capture probe
 317 <400> SEQUENCE: 21
 318 atttaggtga cactatagaa ctatacaacc tcctacactca ccctatagtg agtcgtatta 60
 321 <210> SEQ ID NO: 22
 322 <211> LENGTH: 63
 323 <212> TYPE: DNA
 324 <213> ORGANISM: Artificial Sequence
 326 <220> FEATURE:
 327 <223> OTHER INFORMATION: synthetic capture probe
 329 <400> SEQUENCE: 22
 330 atttaggtga cactatagag ctacctgcac tgtaagcact tttccctata gtgagtcgta 60
 332 tta 63
 335 <210> SEQ ID NO: 23
 336 <211> LENGTH: 60
 337 <212> TYPE: DNA
 338 <213> ORGANISM: Artificial Sequence
 340 <220> FEATURE:
 341 <223> OTHER INFORMATION: synthetic capture probe
 343 <400> SEQUENCE: 23
 344 atttaggtga cactatagac gcgtacccaa agtaataatg ccctatagtg agtcgtatta 60
 347 <210> SEQ ID NO: 24
 348 <211> LENGTH: 62
 349 <212> TYPE: DNA
 350 <213> ORGANISM: Artificial Sequence
 352 <220> FEATURE:
 353 <223> OTHER INFORMATION: synthetic capture probe
 355 <400> SEQUENCE: 24
 356 atttaggtga cactatagat cacataggaa taaaaagcca taccctatacg tgagtcgtat 60
 358 ta 62
 361 <210> SEQ ID NO: 25

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/27/2006
PATENT APPLICATION: US/10/593,383 TIME: 10:24:15

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\09272006\J593383.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36
Seq#:15; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37
Seq#:16; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
Seq#:17; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
Seq#:17; N Pos. 39
Seq#:18; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
Seq#:18; N Pos. 39,40
Seq#:19; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
Seq#:19; N Pos. 39,40,41
Seq#:20; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
Seq#:20; N Pos. 39,40,41,42

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:26

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/593,383

DATE: 09/27/2006

TIME: 10:24:15

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09272006\J593383.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0